

Take 5 for Safety

E. Lessard

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B930A, Emergency Installation of Fan to Prevent Freezing of Cooling Water Lines in Essential Equipment

- The urgency of the repair was cold weather and subsequent water-line leak in critical Booster equipment
- There was inadequate heat in the area, and C-AD technicians installed a temporary, emergency fan to enable the distribution of the steam heat
- The temporary fix was judged later as something that does not demonstrate a code compliant temporary hookup
- Upon identification of this situation, the temporary fan was disconnected and the wires cut by a C-AD Group Leader

Temporary Electrical Fix



NEC does not allow a splice in flexible wiring if it is not in a box



Temporary Electrical Fixes

- There were no injuries due to the installation and use of the temporary, emergency fan
- The National Electrical Code (NEC) allows for temporary, emergency measures that are electrically safe but not code compliant
 - NEC 590.3:C Emergencies and Tests. Temporary electrical power and lighting installations shall be permitted during emergencies and for tests, experiments, and developmental work.
- **Have temporary, emergency, electrical fixes approved by the C-AD Chief Electrical Engineer, or his designee, at installation or as soon as practicable (assuming such repair may have to be done on off-hours)**

Look for Hazards in Every Direction – Weather

- Light snow starting around 4 pm today with steady snow arriving around 6 pm but temps remain above freezing going into Wednesday morning with rain continuing into late night
- Early Thursday morning we start to get the heavier amounts of snow that will last most of the day with dropping temps
- Hazards
 - Flooding on streets and around buildings
 - Water accumulating and freezing
- Survey drainage areas around C-AD buildings and send issues to F&O FOC (x2468)